LED BACKLIT PANEL LIGHT

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PICTURE

WHITE ALUMINUM FRAME

MOUNTING CLIPS
For recessed-in installation

CONNECTION HOLE

LED DRIVERBOX

OPAQUE LENS

HIGH QUALITY LED

ADJUSTABLE POWER/CCT SWITCH

Product introduction

- Conform to the market standards of the United States, through ETL, CUETL, FCC, DLC certification
- Adjustable power 30 - 40 - 50 W ， 40 - 50 - 60 W
- Adjustable CCT 3000- 4000- 5000K
- Optional input voltage100- 277V and 100- 347V
- UGR< 19 and The light efficiency> 120lm/ w
- It can be equipped with emergency power supply
- High quality led LM80@ L90> 36000H， SDCM< 5
- Flicker free， dimming depth < 10% (0-10V dimming)
- The shell thickness is 0.35mm, and the well type is designed

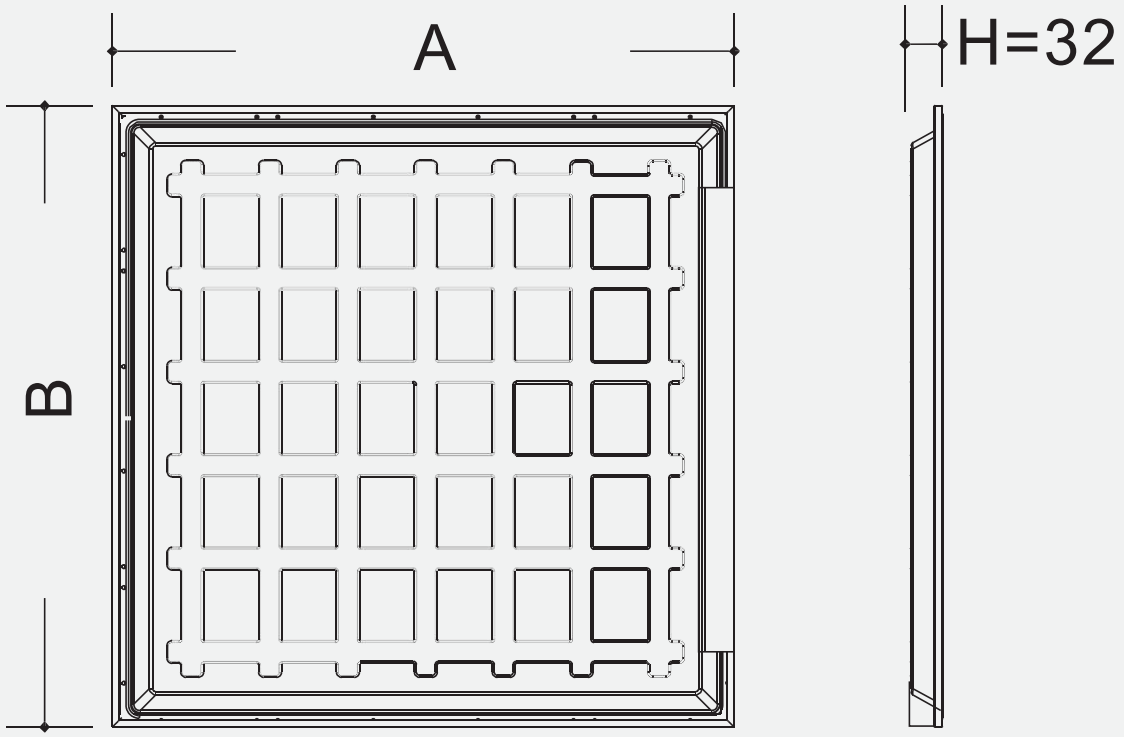
L-type design, convenient for wiring

The driverbox shell and lamp shell shall be installed smoothly

Double switch design can adjust power and CCT

Basic parameters

UNIT:mm



MODEL	SIZE	POWER	CCT	EFFICACY@4000K
BQ-FPL-2X2-40W	603X603	40W	3000K/ 4000K/ 5000K	125LM/W
BQ-FPL-2X2-40W- E	603X603	40W@8W(E)	3000K/ 4000K/ 5000K	125LM/W
BQ-FPL-2X2-CCT-AP	603X603	30W-40W-50W	Adjustable（3000K- 5000K）	125LM/W
BQ-FPL-2X2-CCT-AP-E	603X603	30W-40W-50W@8W(E)	Adjustable（3000K- 5000K）	125LM/W
BQ-FPL-2X2-CCT-AP-UGR	603X603	30W-40W-50W	Adjustable（3000K- 5000K）	125LM/W
BQ-FPL-2X4-50W	603X1213	50W	3000K/ 4000K/ 5000K	125LM/W
BQ-FPL-2X4-50W- E	603X1213	50W@15W(E)	3000K/ 4000K/ 5000K	125LM/W
BQ-FPL-2X4-CCT-AP	603X1213	40W-50W-60W	Adjustable（3000K- 5000K）	125LM/W
BQ-FPL-2X4-CCT-AP-E	603X1213	40W-50W-60W@15W(E)	Adjustable（3000K- 5000K）	125LM/W
BQ-FPL-2X4-CCT-AP-UGR	603X1213	40W-50W-60W	Adjustable（3000K- 5000K）	125LM/W

✸ Represents the initial efficacy of the IES test

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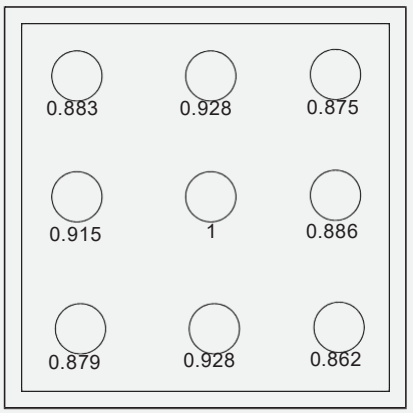
Typical parameters

MODEL	BQ-FPL-2X2-40W		BQ-FPL-2X2-CCT-AP		BQ-FPL-2X4-50W		BQ-FPL-2X4-CCT-AP	
Input Voltage(V) ✸	100-277V	100-347V	100-277V	100-347V	100-277V	100-347V	100-277V	100-347V
LED Model	SMD 2835(3030)/1W/140-150LM/W /Ra 80@R9>0							
LED Qty(PCS)	72		72*2		96		96*2	
SDCM	<5		<5		<5		<5	
CRI	>80		>80		>80		>80	
Beam Angle	120°		120°		120°		120°	
LED Driver	flicker free							
Power Efficiency	>87%							
Output voltage	25-42VDC							
Output current	1000mA		750-1000-1250mA		1250mA		900-1100-1300mA	
Warrant	5 YEARS							
Operating Temp.(°C)	-20℃ ~45℃							
Storage Temp.(°C)	-20℃ ~65℃							
Material	SPCC+AL6063							
THD	<15%							
Power Factor	>0.95							
Withstanding	INPUT TO OUTPUT: 3000V@1.05mA@3S				INPUT TO SHELL: 1000V@1.5mA@3S			
DIM	0-10V							
Installation	Surface mounted/Suspending							
certificate	CUETL ETL FCC DLC ROHS							

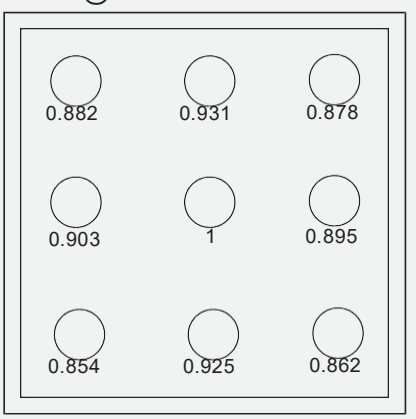
✸ Optional input voltage

Comparison of luminous uniformity

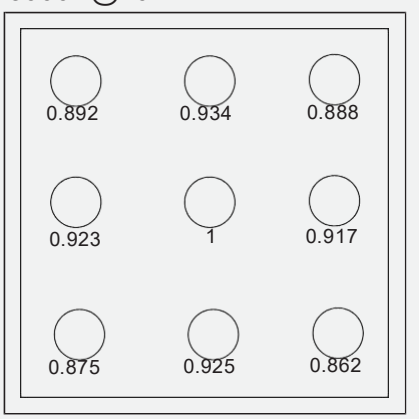
3000K@40W



4000K@40W



5000K@40W



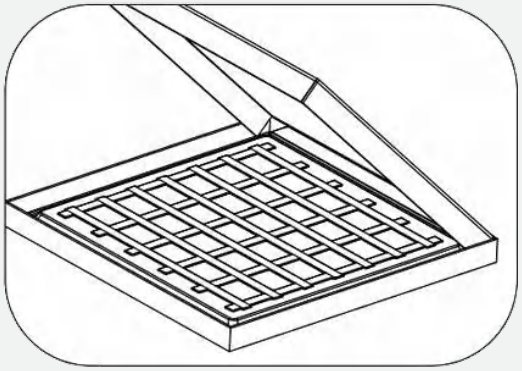
- The above data are for reference only
- The size of the test is 500* 500mm

Installation

WARNING

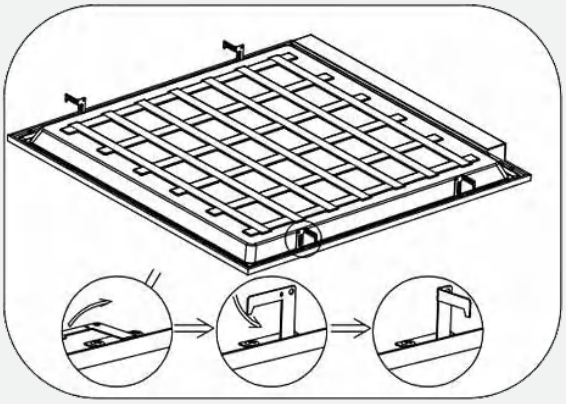
1. Switch off before installation.
2. Switch on only after complete installation and examination of the circuit.
3. Professional electrician for installation and maintenance only.

Figure 1



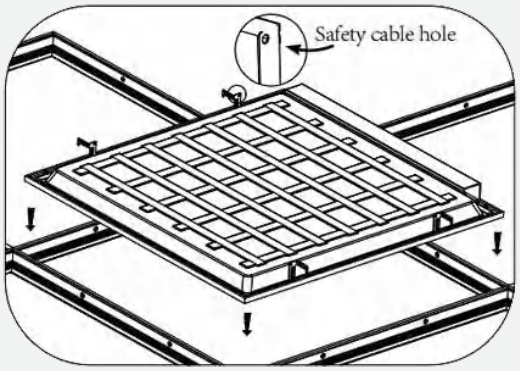
Carefully unpack unit and properly inspect for defects before installing.Wear work gloves to prevent dirt and oil from being transferred to the luminaire.If cleaning is needed,use gloves and a dry cottoncloth. It is not recommendedto use hazardous chemicals.

Figure 2



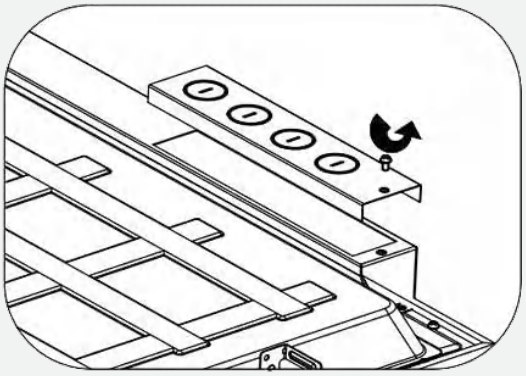
Lift up four mounting clips on the sides of the luminaire. You can do it by hand(Do wear work gloves)or use pliers

Figure 3



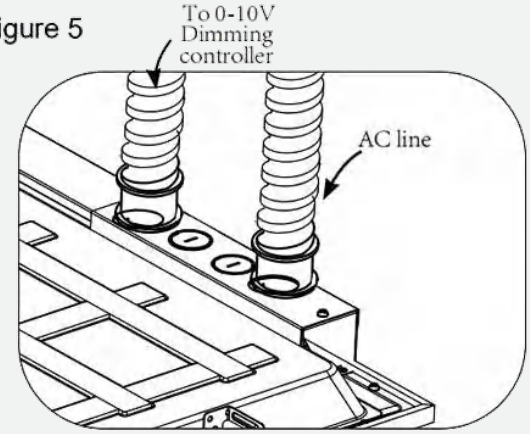
Insert luminaire into T-bar ceiling grid.Secure safety cable to connectionhole as needed to meet local seismic requirements. Safety cable and method of attachment to the building provided by contractor according to local building codes.

Figure 4



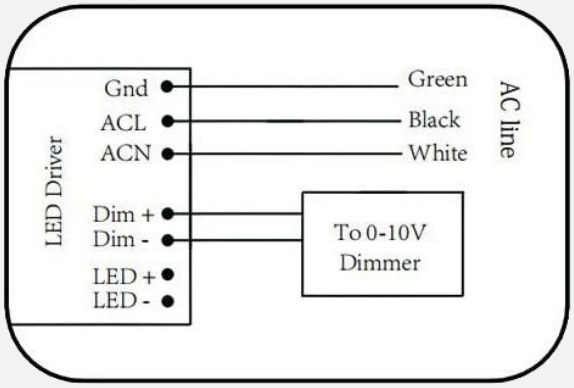
Remove electrical enclosure cover.Carefully remove knockout for AC line input wires and 0-10V control line. Install listed electrical fittings in the knockout holes for wire protection if needed

Figure 5



Plug in AC line to the LED Driver using 18-14AWG wire. When connecting 0-10V dimming controller, wire must run through a separate knockout hole equipped with an appropriate electrical fitting.

Figure 6



Follow wire connection instructions. When using the 0-10V dimmingcontroller Run wires from controller through a different knockout than the AC input wire.Don't forget to return the electrical enclosure cover and tighten the screws.

IES 40W@4000K

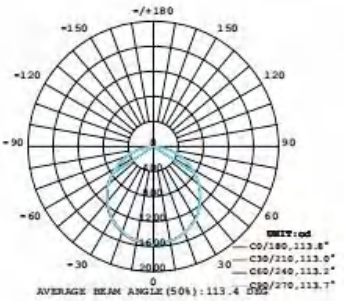
Test report

LUMINAIRE PHOTOMETRIC TEST REPORT

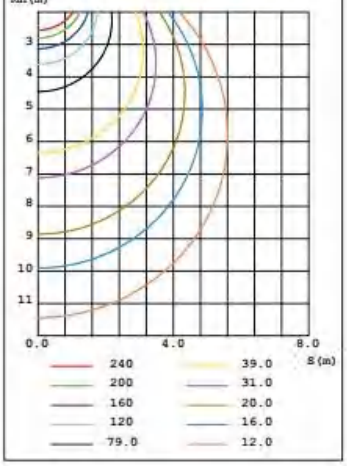
Test:U:230.8V I:0.1670A P:37.20W PF:0.9650 Lamp Flux:4485.26x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120.57 lm/W			
MODEL	603X603-40W	Imax(cd)	1571	S/MH(C0/180)	1.27
NOMINAL POWER(W)	38	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	232	TOTAL FLUX(lm)	4485.3	η UP,DN(C0-180)	0.0,50.3
NOMINAL FLUX(lm)	4485.26	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	231.4	η down(%)	100.0	CIBSE SHR MAX	1.35

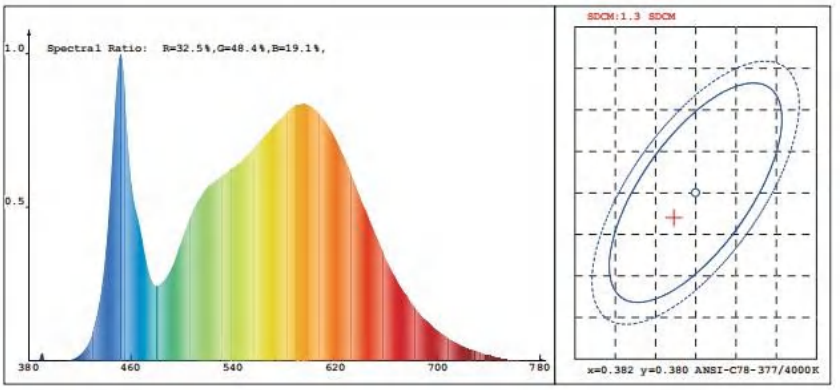
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



Integrating sphere 50W@4000K



Chroma Parameters

Chro.Coor.:x=0.3791 y=0.3767 u=0.2242 v=0.3342 duv=0.0004

CCT: 4038K Dominant Wave.:578.7nm Purity:26.8%

Flux RGB Ratio:R=18.2%,G=79.3%,B=2.4% Peak Wave:451.6nm Half Width:20.2nm

Rendering Index:Ra= 83.5

R1 =81	R2 =89	R3 =95	R4 =83	R5 =83	R6 =87	R7 =86	R8 =65
R9 =9	R10=75	R11=82	R12=62	R13=83	R14=97	R15=75	

Photo Parameters

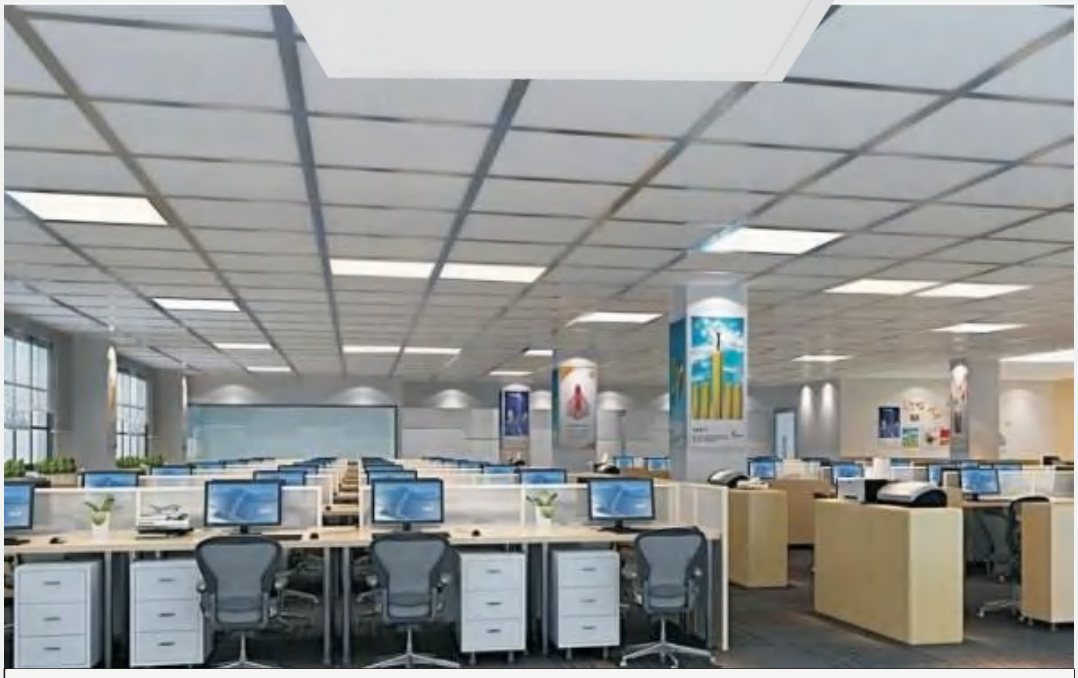
Flux:6022.99lm Effi.:124.71m/W Radiant:18302.3mW Iv:0.0mcd

Ele. Parameters

Voltage:U=233.200V Current:I=0.2110A

Power:P=48.29W Power Factor:PF=0.977

Scene Effect



Energy saving

No strobe

No noise

Eye-care

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